

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A HAZARD IDENTIFICATION BEACON ON NORTHBOUND US 1 APPROACHING CONOWINGO DAM IN HARFORD COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

CONTROLLER REQUIREMENTS

INSTALL A TWO-CIRCUIT FLASHER UNIT HOUSED IN A "G" TYPE POLE MOUNTED CABINET.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR.

QUANTITY	DESCRIPTION
1 EA	TWO-CIRCUIT FLASHER UNIT IN A POLE MOUNTED CABINET
39 SF	SHEET ALUMINUM SIGNS TO CONSIST OF THE FOLLOWING
1-EA	W11-2 SIGN (48" x 48") WITH DISTANCE PANEL (24" x 18")
1-EA	W1-2R SIGN (48" x 48") WITH W13-1 SIGN (24" x 24")

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND /OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EVACUATION
8001	2 EA	12 IN. L.E.D. SIGNAL HEAD SECTION
8012	1 EA	BREAKAWAY PEDESTAL POLE
2022	LS	REMOVE AND DISPOSE EXISTING EQUIPMENT
8034	20 LF	4 IN. SCHEDULE 80 RIGID PVD CONDUIT - TRENCHED
8038	39 SF	INSTALL GROUND MOUNTED SIGNS
9042	1 EA	METERED SERVICE PEDISTAL
9045	100 LF	1 - CONDUCTOR ELECTRIC CABLE (NO. 8 A.W.G.)
9047	1 EA	HANDHOLE
8054	20 LF	3 - CONDUCTOR ELECTRIC CABLE (NO. 14 A.W.G.)
8063	1 EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT
	34 LF	4 IN. x 6 IN. WOOD SIGN SUPPORT

CONSTRUCTION DETAILS

- INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH SIGNAL HEADS, SIGN, AND A 2-CIRCUIT FLASHER UNIT IN A "G" TYPE POLE MOUNTED CABINET. (NOTE: INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- INSTALL ELECTRICAL HANDHOLE
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- PROPOSED UNDERGROUND ELECTRIC SERVICE, 4" PVC, TRENCHED
- INSTALL METER SERVICE PEDESTAL
- REMOVE EXISTING POLE, MAST ARM, SIGNAL HEADS AND SIGN
- EXISTING ELECTRIC SERVICE TO BE DISCONNECTED
- REMOVE EXISTING GROUND MOUNTED SIGN
- INSTALL W1-2R SIGN ON TWO 4 IN. x 6 IN. WOOD POSTS

GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.

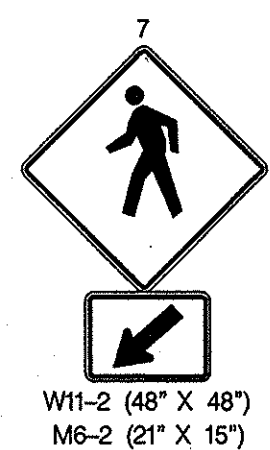
EXISTING SIGNALS TO BE REMOVED

3.4
Y
12"

PROPOSED SIGNALS

1.2
Y
12"

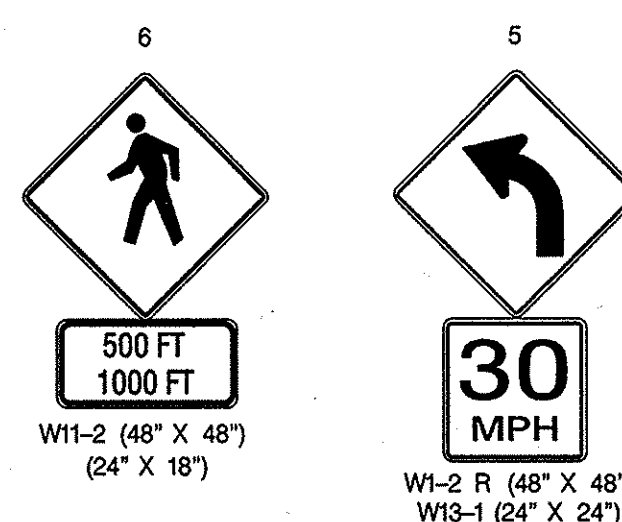
EXISTING SIGNS



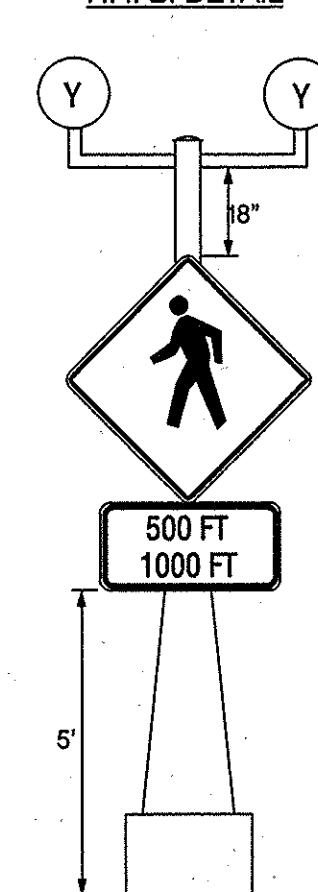
EXISTING SIGNS TO BE REMOVED



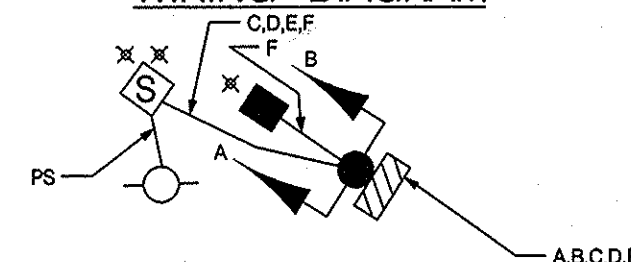
PROPOSED SIGNS



H.I.B. DETAIL



WIRING DIAGRAM



WIRING KEY

A-B	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C-E	1-CONDUCTOR ELECTRICAL CABLE (NO. 8 A.W.G.)
F	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
PS	PROPOSED ELECTRIC SERVICE
X	GROUND ROD

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

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APPROVALS

TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

HAZARD IDENTIFICATION PLAN NORTHBOUND US 1 APPROACHING CONOWINGO DAM

SCALE	1"=30'	DATE	12-14-06	CONTRACT NO.	AT9125185
DESIGNED BY	T. ZAYDEL	COUNTY	HARFORD		
DRAWN BY	T. ZAYDEL	LOGMILE	12001019.79		
CHECKED BY	K. SCHMID	T.I.M.S. NO.	H 534		
F.A.P. NO.	NA	TOD NO.			
DRAWING NO.	TS-4518	SHEET NO.	1	OF	1